



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
21.09.2022 Bulletin 2022/38

(43) Date of publication A2:
14.09.2022 Bulletin 2022/37

(21) Application number: **22157276.1**

(22) Date of filing: **17.02.2022**

(51) International Patent Classification (IPC):
H01M 4/04 ^(2006.01) **H01M 50/107** ^(2021.01)
H01M 10/058 ^(2010.01) **B29C 43/00** ^(2006.01)
B29C 43/22 ^(2006.01) **B29C 43/24** ^(2006.01)
B29C 43/28 ^(2006.01) **H01M 10/052** ^(2010.01)
H01M 4/02 ^(2006.01) **B29C 43/46** ^(2006.01)

(52) Cooperative Patent Classification (CPC):
H01M 50/107; B29C 43/006; B29C 43/222;
B29C 43/24; B29C 43/28; H01M 4/0404;
H01M 4/043; H01M 4/0433; H01M 10/058;
B29C 2043/464; H01M 4/04; H01M 10/052;
H01M 2004/021

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME
Designated Validation States:
KH MA MD TN

(30) Priority: **12.03.2021 JP 2021040445**

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(54) **ELECTRODE FOR NON-AQUEOUS ELECTROLYTE SOLUTION SECONDARY BATTERY, METHOD OF PRODUCING ELECTRODE AND NON-AQUEOUS ELECTROLYTE SOLUTION SECONDARY BATTERY INCLUDING ELECTRODE**

(57) An electrode disclosed here includes a surface part of an electrode active material layer has a plurality of first grooves extending in a width direction of the electrode current collector and at least one second groove extending in a longitudinal direction of an electrode current collector. The first groove is formed to be continuous from one end to another end. Here, a region in which the first groove and the second groove are formed is uniformly divided into three layers, which are an upper layer, an intermediate layer and a lower layer, in a thickness direction from the surface of the electrode active material layer to the electrode current collector, and when electrode densities (g/cm³) of the upper layer, the intermediate layer and the lower layer of the groove are d_1 , d_2 , and d_3 , respectively, a relationship of $0.8 < (d_1/d_3) < 1.1$ is satisfied.

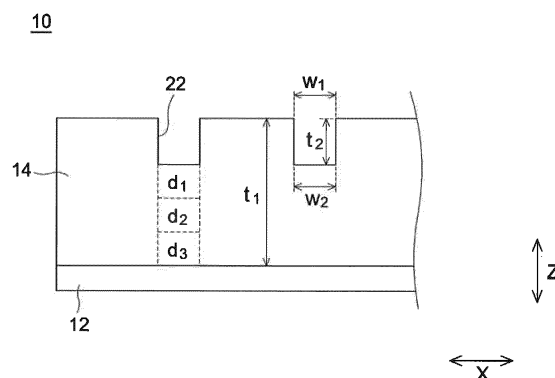


FIG.5



EUROPEAN SEARCH REPORT

Application Number

EP 22 15 7276

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			TECHNICAL FIELDS SEARCHED (IPC)
			H01M B29C
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		12 August 2022	Polisski, Sergej
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
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12-08-2022

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82